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Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

213-0084US

10/527,618

List of Patents and Publications for Applicant's

Inventor/Applicant

Kwok-Leung (Jackie) Au-Yeung, et al.

INFORMATION DISCLOSURE STATEMENT

Title: Apparatus and Method for Preparative Scale Purification of Nucleic Acids

Filing Date:

March 10, 2005

Group:

unknown

(Use several sheets if necessary)

U.S. Patent Documents

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### U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
SP	A1	3,286,992	11/22/1966	Armeniades, et al.			11/29/1965
	A2	3,928,642	12/23/1975	Hubert, et al.	426	521	01/22/1975
	A3	4,450,103	05/22/1984	Konrad, et al.	260	112	03/01/1982
	A4	4,462,940	07/31/1984	Hanisch, et al.	260	112	05/18/1983
	A5	4,621,061	11/04/1986	Pühler, et al.	435	320	12/13/1983
	A6	4,623,723	11/18/1986	Keller, et al.	536	27	03/09/1984
	A7	4,780,210	10/25/1988	Hsia	210	638	01/07/1987
	A8	4,830,969	05/16/1989	Holmes	435	259	08/31/1981
	A9	4,900,677	02/13/1990	Hewitt	435	259	09/26/1986
	A10	4,997,932	03/05/1991	Reardon, et al.	536	27	11/13/1989
	A11	4,985,552	01/15/1991	Fedeli, et al.	536	27	07/05/1989
	A12	5,008,189	04/16/1991	Oroskar, et al.	435	105	06/20/1989
	A13	5,034,314	07/23/1991	Geiger, et al.	435	6	12/22/1986
	A14	5,057,426	10/15/1991	Henco, et al.	435	270	11/23/1987
	A15	5,096,818	03/17/1992	DeBonnville	435	91	06/04/1990
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	A19	5,561,064	10/01/1996	Marquet, et al.	435	320.1	02/01/1994
✓	A20	5,576,196	11/19/1996	Horn, et al.	435	91.1	01/13/1995
SP	A21	5,707,812	01/13/1998	Horn	435	6	08/06/1996

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
SP	A22	5,792,651	08/11/1998	Colpan, et al.	435	270	10/11/1996
	A23	5,837,529	11/17/1998	Wan, et al.	435	259	04/15/1996
	A24	5,916,775	06/29/1999	Hayashizaki	435	91.1	06/18/1997
	A25	5,981,735	11/09/1999	Thatcher, et al.	536	25.4	02/12/1997
	A26	5,990,301	11/23/1999	Colpan, et al.	536	25.4	10/18/1996
	A27	6,011,148	01/04/2000	Bussey, et al.	536	25.4	08/01/1996
	A28	6,036,940	03/14/2000	Ju, et al.	424	9.52	11/12/1997
	A29	6,197,553	03/06/2001	Lee, et al.	435	91.1	11/07/1997
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	A38	6,730,781	05/04/2004	Wils, et al.	536	25.4	09/15/1998
	A39	6,750,333	06/15/2004	Kuhne	536	23.1	08/04/1998
✓	A40	6,825,012	11/30/012	Blanche, et al.	435	91.42	10/19/2001
	A41	2001/0034435	10/25/2001	Nochumson, et al.	536	23.1	01/29/2001
SP	A42	2001/0045359	11/29/2001	Cheng, et al.	204	547	07/13/2001

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List of Patents and Publications for Applicant's  INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)		Inventor/Applicant <b>Kwok-Leung (Jackie) Au-Yeung, et al.</b>	
		Title: <b>Apparatus and Method for Preparative Scale Purification of Nucleic Acids</b>	
		Filing Date: <b>March 10, 2005</b>	Group: <b>unknown</b>
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SP	A43	2002/0198372	12/26/2002	Bridenbaugh, et al	536	25.4	07/23/1998

### Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
SP	B1	WO 98/11208	03/19/1998	WIPO	C12N	15/10	Yes
	B2	WO 98/30685	07/16/1998	WIPO	C12N	15/10	Yes
	B3	WO 99/63076	12/09/1999	WIPO	C12N	15/10	Yes
	B4	CA 2,474,436 (WO 03/070942)	08/28/2003	Canada	C12N	15/10	Yes
	B5	EP 0 240 191	10/07/1987	EPO	C12N	15/00	Yes
	B6	EP 0 376 080	07/04/1990	EPO	C12N	15/10	Yes
	B7	EP 0 431 905	06/12/1991	EPO	C12N	15/10	Yes
SP	B8	EP 0 517 515	12/09/1992	EPO	C12N	15/10	Yes

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SP	C2	Bimboim, et al., "A Rapid Alkaline Extraction Procedure for Screening Recombinant Plasmid DNA," Nucleic Acids Res. 7, 1513-1523 (1979)
SP	C3	Carlson, et al., "Mechanical Description of Escherichia Coli For Plasmid Recovery," Biotechnology and Bioengineering 48, pp 303-315 (1995).

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	C5	Coppella, et al., "Isolation of High-Molecular-Weight Nucleic Acids for copy Number Analysis Using High-Performance Liquid Chromatography," Journal of Chromatography, 402: 189-199 (1987)
	C6	Data Sheet TMAE (M), "Properties of the Tentacle Ion-Exchange Sorbents," <a href="http://www.chromatography.co.uk.products/bio/ds01.htm">http://www.chromatography.co.uk.products/bio/ds01.htm</a> 08/26/2003
	C7	Davis, et al., Short Technical Reports, "Comparison of Plasmid DNA Preparation Methods for Direct Gene Transfer and Genetic Immunization," Biotechniques, 21:93-99 (July 1996)
	C8	Durland, et al., "Manufacturing and Quality Control of Plasmid-Based Expression Systems," Advance Drug Delivery Reviews 30: 33-48 (1998) Elsevier
	C9	Ferreira, et al., "Downstream Processing of Plasmid DNA for Gene Therapy and DNA Vaccine Applications," Trends in Biotechnology 18, pp 380-388 (September 2000)
	C10	Fractogel EMD Process Media Merck KGaA 8 pages 09-99 (1999) SP
	C11	"Guide to Tentacle-Biochromatography Products," <a href="http://www.chromatography.co.uk/products/bio/summary.htm">http://www.chromatography.co.uk/products/bio/summary.htm</a> 08/26/2003
	C12	Horn, et al. "Cancer Gene Therapy Using Plasmid DNA: Purification of DNA for Human Clinical Trials," Human Gene Therapy, 6: 565-573 (May 1995)
	C13	Kahn, et al., "Purification of Plasmid DNA by Tangential Flow Filtration," Biotechnology and Bioengineering 69(1) 101-106 (2000)
	C14	Kenics, "Kenics Static Mixer Systems," 4 pages 03/01/1995
✓	C15	Lengsfeld, et al., "Shear-Induced Degradation of Plasmid DNA," J Pharmaceutical Sciences 91, 1581-1589 (July 2002)
SP	C16	Lesney, "It's Not Being Green?" Today's Chemist at Work, pp 33-34 (July 2002)

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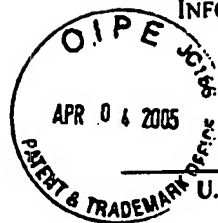
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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	C18	Marquet, et al., "Process Development for the Manufacture of Plasmid DNA Vectors for Use in Gene Therapy," BioPharm, 8(7) 26-37 (1995)
	C19	Marquet, et al., "Characterization of Plasmid DNA Vectors for use in Human Gene Therapy, Part 1," BioPharm, 42-50 (May 1997)
	C20	Merion, et al., "Purification of Supercoiled Plasmids from Crude Cell Lysates Using High Performance Anion Exchange Chromatography," BioTechniques 7(1) (1989) 60-67
	C21	Montbriand, et al., "Improved Method for the Removal of Endotoxin From DNA," Journal of Biotechnology 44: 43-46, (1996)
	C22	pAlliance Brochure - QIAGENews, "Contract Plasmid DNA Manufacturing Services for Clinical and Commercial Applications," Issue No. 2 (2000)
	C23	Prazeres, et al., "Large-Scale Production of Pharmaceutical-Grade Plasmid DNA for Gene Therapy: Problems and bottlenecks," Trends Biotechnol., 17, pp. 169-174 (1999)
	C24	Theodassiau, et al. "The Processing of a Plasmid-Based Gene from <i>E. Coli</i> . Primary Recovery by Filtration," Bioprocess Engineering, Vol. 16, (1997) 175-185.
	C25	Varley, et al., "Production of Plasmid DNA For Human Gene Therapy Using Modified Alkaline Cell Lysis and Expanded Bed Anion Exchange Chromatography" Bioseparation 8: 209-217 (1999)
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